

**DRAFT Data Assessment Team (DAT) Conference Call Notes**  
**12/1/2016 at 11:00 a.m.**

Participants: Farida Islam and Loi Tran (DWR), Geir Aasen and Trishelle Morris (DFW), RG Fernando and Owen Lu (MWD), Josh Gruber(FWS), Yonn Lien(CCWD), Joel Fishcer, Lauren Damon and Trishelle Morris(DFW), Lucinda Shih(CCWD), Brittany Kammerer(SWRCB)

**Sacramento River Fish Monitoring**

<b>Preliminary Rotary Screw Trap (RST) Report</b>				
<b>Species*</b>	<b>FWS Red Bluff Diversion Dam RST (Estimated Passage)</b>	<b>Glenn-Colusa Irrigation District (GCID) RST (Catch)</b>	<b>DFW Tisdale Weir RST (Catch)**</b>	<b>DFW Knights Landing RST (Catch)</b>
<b>Date</b>	<b>11/4/2016-11/17/2016</b>	<b>11/22/16-11/30/16</b>	<b>11/24/16-11/25/16</b>	<b>11/24/2016-11/29/2016</b>
CHNF	0			
CHNLF	1,617	7	4	1
CHNW	4,175	49	18	18
CHNS	2,549	7		5
Ad-Clipped CHN				
SH	175			
Ad-Clipped SH				
GST		1	Not Reported	Not Reported
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, GST= Green Sturgeon. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision. ** Numbers represent observations and are not expanded to represent estimated passage.				

\* The GCID screw trap was pulled on the morning of November 22, 2016 due to heavy debris and have been resumed on 11/29/2016.

Graphical summaries of the monitoring data collected at the Sacramento River and at other locations can be found at <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>. In addition, the biweekly passage reports of juvenile salmonids sampled at the Red Bluff Diversion Dam are available at [http://www.fws.gov/redbluff/rbdd\\_biweekly.aspx](http://www.fws.gov/redbluff/rbdd_biweekly.aspx).

**Delta Fish Monitoring** update provided from data received from Jon Speegle (FWS):

Preliminary FWS Trawl and Seine Catch Report from 11/20/16 to 11/626/16				
Species*	Beach Seines	Mossdale Trawl	Sacramento Trawl	Chippis Island Trawl
CHNF				
CHNLF				
CHNW	9			
CHNS	2		1	
Ad-Clipped CHN				
SH				
Ad-Clipped SH				
DSM				
LFS				
SPLT	1			
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, DSM=Delta Smelt, LFS=Longfin Smelt, SPLT = Splittail. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.				

Information about the Delta fish monitoring data from FWS can be found at <http://www.fws.gov/stockton/jfmp/>.

## Salvage Monitoring update

Geir Aasen(DFW) reported that no salvage of listed species have been observed so far in the WY 2017.

Preliminary DFW Salvage Report for Salmonids from 11/21/16 to 11/27/15*								
Species	Central Valley Project (CVP)				State Water Project (SWP)			
	Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)		Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF								
<b>Total to Date</b>								
CHNLF								
<b>Total to Date</b>								
CHNW								
<b>Total to Date</b>								
CHNS								
<b>Total to Date</b>								
CHNU					2			
<b>Total to Date</b>					6			
SH							4	
<b>Total to Date</b>							4	

Notes:  
 -Chinook race based on length (Delta model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, CHNU= Unknown race (Chinook greater than the length-at-date criteria or fork length not measured), SH =Steelhead.  
 -Salvage and loss estimates are rounded to the nearest whole fish.  
 -Documentation on how to calculate salvage and Chinook loss can be found at <ftp://ftp.delta.dfg.ca.gov/salvage/Salmon%20Loss%20Estimation/>.  
 -Steelhead loss: SWP steelhead loss = salvage x 4.33 and CVP steelhead loss = salvage x 0.68.  
 -Total to date is the total since 10/1/13 (the start of water year 2014).  
 -Data subject to revision.

\* No Salvage of listed species have been observed at either fish facility.

Preliminary DFW Salvage Report for Smelt and Other Species from 11/21/16 to 11/27/16*				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM				
LFS				
SPLT			4	4
GST				
WST	4	4		

Notes:  
 -DSM=Delta Smelt, LFS=Longfin Smelt, SPLT=Splittail, GST=Green Sturgeon, WST=White Sturgeon.  
 -Salvage estimates are rounded to the nearest whole fish.  
 -Total to date is the total since 10/1/13 (the start of water year 2014).  
 -Data subject to revision.

\* No Salvage of Smelt and Other species have been observed at either fish facility.

## **Smelt Monitoring**

Lauren Damon (DFW) reported that no survey data is available to report yet. Fall Midwater Trawl and Bay Study started this week and Spring Kodiak Trawl started on the 6<sup>th</sup> and will end on the 12<sup>th</sup> of December, 2016. She hopes to provide the data update on next call.

## **Smelt Working Group**

Leigh Bartoo(FWS) provided the following update via email:

The SWG will meet to discuss risk assessment on Monday, December 5.

[http://www.fws.gov/sfbaydelta/cvp-swp/smelt\\_working\\_group.cfm](http://www.fws.gov/sfbaydelta/cvp-swp/smelt_working_group.cfm).

**Delta Operations for Salmonids and Sturgeon (DOSS) Working Group** Update provided by Barb Byrne via the DAT reflector (NMFS)

### **NMFS update**

FVI, Reclamation will hold an informal stakeholder meeting on Tuesday, 12/6/16 (1:30pm to 4pm) to allow public input regarding RPA implementation. Details available at: <http://deltacouncil.ca.gov/event-detail/13872>

### **Highlights from 11/29/16 DOSS meeting**

#### **RPA Implementation**

- **Action IV.1.1 (DCC alerts):**

- First alert was tripped on all days over the past week based on Mill Creek and Deer Creek flows.
- Second alert was tripped on all days based on Knights Landing water temperature and Wilkins Slough flows.
- These alerts are simply a heads up that fish are likely to be moving and the triggers in Action IV.1.2 could be tripped soon.

- **Action IV.1.2 (DCC operations):**

- The Seine SCI of 6.4 on 11/23/16 triggered a DCC closure of at least three days, and until all catch indices are less than 3 for two consecutive days.
- The DCC was closed on the morning of 11/25/16
- The DCC will open at 2pm today, 11/29/16.
- Details on daily SCI and KLCI values will be included in the DOSS notes (see URL at end of DOSS update)
- Starting December 1st, Action IV.1.2 calls for default DCC closure

- **Action IV.3 (Export Reductions based on salvage triggers)**

- The third alert (November 1-February 23: Knights Landing Catch Index (KLCI) or Sacramento Catch Index (SCI) >10) was not triggered over the past week.
- Since the action went into effect on 11/1/16, no salvage-based triggers that would require export reduction have been exceeded.

#### Fish Monitoring: Salvage

- A 541 mm wild steelhead was observed at the SWP on 11/27/16; the first listed salmonid salvaged during WY 2017

#### Fish Monitoring: RSTs, trawls, seines:

- Catch of wild WR-sized and SR-sized fish increased in monitoring over past week
- FWS also reported uptick in passage past RBDD; report to come out later this week

#### DOSS estimates of fish distribution:

- WILD WINTER-RUN: 60-75% yet to enter the Delta, 25-40% in the Delta, 0% exited the Delta (a shift into the Delta of 5-10% compared to last week)

#### Special topic: Rapid Genetic Testing

- Reclamation will initiate the Rapid Genetic Testing procedures by 12/1/16, which call for rapid genetic analysis only if an older juvenile loss density trigger (under Action IV.3 or IV.2.3) is exceeded.
- See the October 2016 Reclamation request and 11/21/16 NMFS response at: [http://www.westcoast.fisheries.noaa.gov/central\\_valley/water\\_operations/](http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/)

#### Special topic: Green Sturgeon acoustic tracking in the Sacramento River

- Bill Poytress (FWS) shared some preliminary data on the tagging and tracking of juvenile green sturgeon in the Sacramento River

**WY 2017 DOSS notes:** [http://www.westcoast.fisheries.noaa.gov/central\\_valley/water\\_operations/ocapwy2017.html](http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/ocapwy2017.html)

**All things DOSS:** [http://www.westcoast.fisheries.noaa.gov/central\\_valley/water\\_operations/doss.html](http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/doss.html)

Operations update provided by Loi Tran (DWR):

Preliminary Summary for 11/30/2016			
SWP		CVP	
Clifton Court Inflow (cfs)	6680	Jones Pumping Plant (cfs)	3800
SWP San Luis Reservoir Share (TAF) as of Midnight	598	CVP San Luis Reservoir Share (TAF) as of Midnight	252
San Luis Reservoir Total (TAF) as of Midnight	850	American – Nimbus Reservoir Releases (cfs)	1250
Feather – Oroville Reservoir Releases (cfs)	2450	Sacramento – Keswick Reservoir Releases (cfs)	5000
		Stanislaus-Goodwin Reservoir Releases (cfs)	200
DELTA OPERATIONS			
Outflow (cfs)	~11400	Delta Cross Channel (DCC) Gates	Open
Total Delta Inflow (cfs)	~21,627	1 day OMR average (cfs)	-9396
X2 (km)	>81	5 day OMR average (cfs)	-9218
Export/Inflow (%)	58.8(14-day average)	14 day OMR average (cfs)	-6698

Controlling factor(s): Salinity Management

<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

**Next Conference Call:**

December 8, 2016.

Final DAT notes can be viewed at

<http://www.water.ca.gov/swp/operationscontrol/calfed/calfeddat.cfm>